

Pollution Tolerance Index

Student Name _____

Class/Group # _____

Location _____

Date _____ Time _____

Weather conditions _____

Air Temperature _____

Water Temperature _____

Instructions: Place a checkmark in the box to indicate the presence of the following macroinvertebrates. Complete the calculations to determine the PTI for this location.

Sensitive	Somewhat Sensitive	Tolerant
<input type="checkbox"/> caddisfly larva <input type="checkbox"/> dobsonfly larva <input type="checkbox"/> gilled snail (right-side opening) <input type="checkbox"/> mayfly larva <input type="checkbox"/> stonefly larva <input type="checkbox"/> riffle beetle adult <input type="checkbox"/> water penny	<input type="checkbox"/> alderfly larva <input type="checkbox"/> beetle larva <input type="checkbox"/> clam <input type="checkbox"/> crane fly larva <input type="checkbox"/> crayfish <input type="checkbox"/> damselfly larva <input type="checkbox"/> dragonfly larva <input type="checkbox"/> scud <input type="checkbox"/> sowbug <input type="checkbox"/> water mite	<input type="checkbox"/> aquatic earthworm <input type="checkbox"/> blackfly larva <input type="checkbox"/> leech <input type="checkbox"/> midge larva <input type="checkbox"/> pouch snail (left-side opening) <input type="checkbox"/> other snail (flat coil) <input type="checkbox"/> water boatman
Total checkmarks: _____ X 3 pts = _____	Total checkmarks: _____ X 2 pts = _____	Total checkmarks: _____ X 1 pt = _____
Add: _____ + _____ + _____ = _____ (Sensitive) (Somewhat Sensitive) (Tolerant) (PTI Score)		

Water Quality Rating

Excellent (>22)

Good (17-22)

Fair (11-16)

Poor (<11)